

CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

**UNIVERSITY OF CAPE TOWN
ENERGY RESEARCH CENTRE
CAPE TOWN**

Facility Accreditation Number: **EEMV0009**

is a South African National Accreditation System accredited Inspection Body to undertake **TYPE A** inspection provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation, Annexure "A", bearing the above accreditation number for

MEASUREMENT AND VERIFICATION OF ENERGY SAVINGS

The facility is accredited in accordance with the recognised International and National Standards

ISO/IEC 17020:2012 and SANS 50010:2011

The accreditation demonstrates technical competency for a defined scope and the operation of a management system

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

**Mr R Josias
Chief Executive Officer**

**Effective Date: 14 November 2016
Certificate Expires: 13 November 2020**

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: EEMV0009

TYPE A

Permanent Address of Inspection Body: University of Cape Town Energy Research Center 6 th Floor, Menzies Building Library Road UCT Upper Campus Rondebosch Cape Town 7701 Te: (021) 650-2825 Fax: (021) 650 2830 E-mail: mascha.moorlach@uct.ac.za		Postal Address: Private Bag X3 Rondebosch Cape Town 7701 Issue No.: 01 Date of Issue: 14 November 2016 Expiry Date: 13 November 2020
Nominated Representative: Ms MFC Moorlach	Technical Manager: Ms MFC Moorlach Quality Manager: Mr ACM Hibberd	Technical Signatories Ms MFC Moorlach Mr R Larmour
Field of Inspection	Service Rendered	Codes and Regulations
Voluntary: The supply of services as an Inspection Body for the Measurement, Verification and Reporting of Energy Efficiency Savings in Systems, Processes or Facilities. Explanatory note on selection and use of the Energy Efficiency Schedule of accreditation: <i>The Measurement and Verification Body must start with selecting the applicable competence Sector/s i.e. Residential, Commercial, Industrial etc. as their main activity for accreditation. The next step will be to select the applicable Energy type/s i.e. Electricity, Liquid fuel, Fossil fuel etc. linked to the sector selection. Next select the associated Technologies i.e. Lighting, Pumping, Control systems etc.</i>	Note: This list is not exhaustive Measurement Methodology as defined by SANS 50010: 2011 in relation to: Sector: 1. Residential, load management and/ or energy efficiency 2. Commercial, load management and/ or energy efficiency 3. Industrial, load management and/ or energy efficiency 4. Transportation, load management and/ or energy efficiency. 5. Agricultural, load management and/or energy efficiency Energy type: a. Electricity b. Liquid fuel c. Fossil fuel d. Bio-fuel e. Renewables f. Other to be specified Initiative Type: - Behaviour Change - Lighting - Pumping - Control systems - Renewables ➤ Solar ➤ Wind ➤ Other - Processes - Motors - Waste Heat Recovery - Other to be specified	SANS 50010: 2011 Inspection methods and procedures as per Inspection Body's Field of Activity. 1. Retrofit Isolation a) Key parameter measurement b) All parameter measurement 2. Whole Facility 3. Calibrated Simulation

Original Date of Accreditation: 14 November 2016

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager